

5 **What is claimed is:**

1. A method of sealing and cutting a film web lengthways, in particular a foil tube, which is identified by two layers of film laying on each other, and made out of thermoplastic synthetic material, which is sealed and cut in a continuous process by leading the film web through the invented device, characterized by the film web is being led over the surface of a heating element, in order to achieve a welding of the two film layers, in order to cut the created seam by a blade, which cuts the sealed film web along the sealed seam in half.
2. A method according to claim 1, wherein the longitudinal sealed film web has been cut in the middle of the sealed seam, in order to produce at least two partial film tubes.
3. A method according to claim 1, wherein the film web is in contact only one-sided of the heating element.
4. A method according to claim 1, wherein the heating element produces a continuous watertight seal.
5. A method according to claim 1, wherein the film layers are fixed together by electrical static charge.
6. A device for sealing and cutting of a film web, which exists at least of two laying on each other film layers, in particular for the execution of the procedure according to one of the above mentioned claims, in which one foil tube is being sealed and cut into at least one partial tube of reduced width, showing a bearing surface, on which the two film layers are pressed on, showing a heating element, which seals the two on each other laying film layers, in order to produce a partial tube along the sealed seam, showing a cutting element subordinated to a heating

- 5 element which produces a cut along the sealed seam in the sealing area.
7. A device according to claim 6, wherein the bearing surface is a rotating roller on which the film web runs over an angular range of the extent.
- 10 8. A device according to claim 7, identified by the fact that the roller shows a cut-out in the extent, in which the heating element is tightly integrated, in which the heating element shows a heating surface, which comes out of the roller surface, in order to make contact with the film, which is pressed on the roller.
- 15 9. A device according to claim 8, wherein the heating element shows a particular round and flat resistance wire, which surface is in contact with the film web.
- 20 10. A device according to claim 9, wherein the heating element is followed by a cutting element with a blade in extent direction of the roller.
11. A device according to claim 10, wherein the heating element and the cutting element, form one common seal/cut element.
- 25 12. A device according to claim 11, wherein the seal/cut element is made out of a resistance wire.
- 30 13. A device according to claim 12, wherein the roller is ordered one pulley each, in order to adjust the size of the angular range and therefore also the bearing surface, by changing the position of the pulleys.

- 5 14. A device according to claim 13, wherein the roller shows several, behind each other positioned, roller elements which are integrated on a common axis, and are supported by independent bearings, and integrate at least one seal/cut element between the two roller elements.
- 10 15. A device according to claim 14, wherein the roller and/or the roller elements are adjustable in axial direction on the axis.
16. A device according to claim 15, wherein the axis can be optionally supplied with modular roller elements and seal cutting elements.

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